

Spurious Emissions Compliance for W261BX

On June 17, 2015, I, John Mathews, personally conducted measurements to show compliance with FCC 73.317(b) through 73.317(d), for FM Broadcast Station W261BX. I have submitted certified data to the Commission in the past. The aforementioned station shares a common antenna with W271BN, W297BF, and W210CA. W261BX, W271BN and W297BF all combine using a Shively 2930-3 branch combiner. The output of the branch combiner feeds the broadband input of a Shively 2940 balanced combiner and is combined with W210CA. Measurements were made at the output of each transmitter, with all stations operating simultaneously at a TPO necessary to obtain the appropriate ERP as specified in the individual station licenses and construction permits. A low level sample was obtained at the output of each transmitter. This sample was observed for spurious emissions. The sample was measured using a Rohde & Schwarz FSH3 Spectrum Analyzer. I certify the results are in compliance with 73.317(b) through 73.317(d) as required by Construction Permit BMPFT-20140814ACL, W261BX. The results of the measurements are attached as **Exhibit I**

Certified by:



John Mathews

Exhibit I

47 C.F.R. sections 73.317 (b) through 73.317(d) Compliance Certification

W261BX 100.1 MHz

120kHz-240kHz >50 dB below the level of the unmodulated carrier.

240kHz-600kHz > 60 dB below the level of the unmodulated carrier.

Greater than 600kHz from the unmodulated carrier >90dB Below the level of the unmodulated carrier.

W271BN 102.1 MHz

120kHz-240kHz >51 dB below the level of the unmodulated carrier.

240kHz-600kHz > 58 dB below the level of the unmodulated carrier.

Greater than 600kHz from the unmodulated carrier >91dB Below the level of the unmodulated carrier.

W297BF 107.3 MHz

120kHz-240kHz >48 dB below the level of the unmodulated carrier.

240kHz-600kHz > 55 dB below the level of the unmodulated carrier.

Greater than 600kHz from the unmodulated carrier >91dB Below the level of the unmodulated carrier.

W210CA 89.9 MHz

120kHz-240kHz >60 dB below the level of the unmodulated carrier.

240kHz-600kHz > 70 dB below the level of the unmodulated carrier.

Greater than 600kHz from the unmodulated carrier >91dB Below the level of the unmodulated carrier.